IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Andrew F. Tresness et al.

Att'y Docket No.: 450-066PA

Group Art Unit: 2817

Ser. No.: 10/721,492

Filed: 11/25/2003

Examiner: Dean O. Takaoka

For: Electronic Filter Assembly

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INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith patents, publications or other information of which they are aware, for a determination of whether such patents, publications, or other information are "material to patentability" of the inventions claimed in this application under 37 CFR 1.56.

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made.

In accordance with 37 CFR 1.97(h) the filing of this Information Disclosure Statement shall not be construed as an admission that the information cited herein is, or is considered to be, "material to patentability" as defined in 37 CFR 1.56(b).

A list of the patents, publications or other information is set forth on an attached Form PTO-1449. A copy of each reference listed on Form PTO-1449 is supplied herewith. A concise explanation of each item listed on Form PTO-1449 is provided as follows.

1. Tratec Holland Low Pass Filter, Type LPF-250, Photos 1 through 4. What is disclosed is an electronic filter assembly, comprising a cylindrical conductive housing 10 made from an assembly of two housing pieces 12 and 14. Housing 10 has first and second cable connectors 16 and 18 in opposed relation to each other along a longitudinal axis. The assembly further comprises a circuit board 20 having a ground plane surface 22 and a circuit component

mounting surface 24. A filter circuit 26 is mounted on surface 24. Circuit board 20 is mounted to housing piece 14 by way of grooves 28 on each side of housing piece 14. A soldered connection 30 is made between the ground plane surface 22 and grooves 28 (Photo 3). The assembly further comprises input and output electrical terminals coupled to circuit 26, which extend into connectors 16 and 18, respectively. Upon information and belief, this same electronic filter assembly (except that the filter was a highpass filter) was sold in the U.S. in **1987**, under the name, RMS, and model number CA-2700F.

2. Tratec Holland High Pass Filter, Type HPF 88, Photos 1 through 3. What is disclosed is an electronic filter assembly, comprising a cylindrical conductive housing 10 made from an assembly of two housing pieces 12 and 14. Housing 10 has first and second cable connectors 16 and 18 in opposed relation to each other along a longitudinal axis. The assembly further comprises a circuit board 20 having a ground plane surface 22 and a circuit component mounting surface 24 (Photo 2). A filter circuit 26 is mounted on surface 24. Circuit board 20 is mounted to housing piece 14 by way of grooves 28 on each side of housing piece 14. A soldered connection 30 is made between the ground plane surface 22 and grooves 28. The assembly further comprises input and output electrical terminals coupled to circuit 26, which extend into connectors 16 and 18, respectively. Upon information and belief, this same electronic filter assembly was sold in the U.S. in **1987**, under the name, RMS, and model number CA-2700F.

3. ARCOM SAW Negative Trap CATV Filter, Channel 7, Photos 1 through 5 **(1998)**. An electronic filter assembly 10 is disclosed, comprising a sleeve 12 and a cylindrical conductive housing 14. (A negative trap is a notch filter, i.e., a band reject filter containing a very narrow reject band.) Housing 14 has first and second cable connectors 16 and 18 in opposed relation to each other along a longitudinal axis. Housing 14 contains left and right solder holes 20 and 22 (Photo 2). A cross-section of housing 14 is shown in Photo 3. A circuit board assembly 24 is located inside housing 14 (See also Photo 4). As shown in Photo 4, circuit board assembly 24 includes a conductive grounding plate 26 and circuit boards 27a and 27b. Grounding plate 26 is soldered to boards 27a and 27b and is electrically connected to filter components (not shown) on the hidden side (in Photo 4), by way of feed-through holes. Grounding plate 26 includes tabs 28 and 29. Circuit board assembly 24 is soldered directly to the interior of housing 14; tabs 28 and 29 are soldered to housing 14 at holes 20 and 22 with solder

30 and 31, respectively (see Photos 2, 3 and 5). The filter assembly further comprises input and output electrical terminals 32 and 34 (Photo 4), coupled to the filter components, which extend into connectors 16 and 18, respectively. Upon information and belief, this filter assembly was sold in the U.S. at least since August 24, 1998.

The references discussed above neither disclose nor suggest the inventive aspects of the invention as now claimed in the instant application. It is respectfully submitted that this application differentiates over the above and that the application is in condition for examination by the Examiner and, subsequently, its early allowance.

Respectfully submitted,

9/8/04

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Electronic Filter Assembly

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 450-066PA	SERIAL NO.: 10/721,492
	APPLICANT: Andrew F. Tresness, et al.	
	FILING DATE: 11/25/03	GROUP: 2817

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		AA	Tratec Holland Low Pass Filter, Type LPF-250, Photos 1 through 4. (1987)
		AB	Tratec Holland High Pass Filter, Type HPF 88, Photos 1 through 3. (1987)
		AC	ARCOM SAW Negative Trap CATV Filter, Channel 7, Photos 1 through 5 (1998)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.